

19970816.qrp v00_n820.qrs.970816

>From ???@??? Sun Aug 17 03:28:12 1997
Date: Sat, 16 Aug 1997 19:03:08 EDT
Subject: QRP-L digest 820
Message-Id: <97Aug16.190350edt.35103-63390+150@fidoii.cc.Lehigh.EDU>

QRP-L Digest 820

Topics covered in this issue include:

- 1) [24957] CW Procedures: Listen for what NOT to do.
by Ed Loranger <we6w@qsl.net>
- 2) [24958] Re: 38 Special filter info
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 3) [24959] VP8CTR on 10.108
by "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
- 4) [24960] Re: Antenna troubleshooting help needed
by JFKluender@aol.com
- 5) [24961] Re: K5F0/7
by Craig LaBarge <LaBarge_C@compuserve.com>
- 6) [24962] connectors and such
by Joel Malman <malman@BBN.COM>
- 7) [24963] Update: The Loop Lives!!!
by JFKluender@aol.com
- 8) [24964] [v31xe@dzn.com: vp8]
by af852@rgfn.epcc.Edu (William R Colbert)
- 9) [24965] [v31xe@dzn.com: [Fwd: [n4so@juno.com: Re: longwave info]]]
by af852@rgfn.epcc.Edu (William R Colbert)
- 10) [24966] Heath Kit DX40 RESPONSES
by "Earl W. Murphy" <aa385@gpfn.sk.ca>
- 11) [24967] VP8--More Than You Really Wanted to Know
by Russ Garner <71544.1645@CompuServe.COM>
- 12) [24968] 38S - Soon to be a 17S
by gsurrency@juno.com (Gary L L Surrency)
- 13) [24969] Improvements to "NWQ" es Web Page
by Bill Todd <bill@techline.com>
- 14) [24970] Re: Update: The Loop Lives!!!
by Bill Todd <bill@techline.com>
- 15) [24971] On the raod again (sorta)
by Jess Gypin <jessqrp@concentric.net>
- 16) [24972] QRP LIGHT
by ARDUJENSKI@aol.com
- 17) [24973] COAX QUESTION
by ARDUJENSKI@aol.com
- 18) [24974] Ten Tec Scout for sale
by wb8ygg@juno.com (Bradley S. Mitchell)
- 19) [24975] Re: COAX QUESTION

by Conway Yee <cyee@bidmc.harvard.edu>
20) [24976] SST: User Input!!!
by Ken Newman <n2cq@comten.com>
21) [24977] Embeded Research: WRU?
by Ken Newman <n2cq@comten.com>
22) [24978] Clean Key
by Steven Weber <kd1jv@moose.ncia.net>
23) [24979] Re: Embeded Research: WRU?
by Dan Hogan <dhhogan@lightside.com>
24) [24980] FS: MXM 40M xcvr
by N3BJ@aol.com
25) [24981] BUBBA Sprint Prize List!
by Joe Gervais <vole@primenet.com>
26) [24982] FS:Bugs;QRP++
by Ken Lopez <kjlopez@earthlink.net>
27) [24983] K5FO visit and Pizza feed
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
28) [24984] Atlas 210X for trade
by "J. Skalski" <jskalski@acsu.buffalo.edu>
29) [24985] TT Century 22
by Bill Urie <burie@linknet.kitsap.lib.wa.us>
30) [24986] Extra at last!
by Jim Lowman <jmlowman@ix.netcom.com>

Date: Fri, 15 Aug 1997 16:04:11 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24957] CW Procedures: Listen for what NOT to do.
Message-ID: <33F4E06B.2C2F@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While working on the W1AW rcvr I heard this exchange
last night. It was head copy but I'll detail
the gist of it as best I can:

Summary for non-detail seeking readers:
Callsing #1 was rude to Callsign#2. #1 stayed at
a relative QRQ, and pounced all over call#2. No break
and at the end of the QSO immediately QRZ? CQ like he
was in a contest or something. However, he was just
ragchewing wit others throughout the evening.

Folks, don't try this at home.

I chuckled when he sent 'Wow', but was saddened after he jumped on the guy and (without merit), assumed he was operating without and Q-sigs on hand. No 'hi hi' here.

I'll pass on this qso, at least until I hear him mentor some newbie. Right now he's just in a hurry to get somewhere and cutting off drivers during lane changes.

cq cq cq cq de call#1 Note: about 18 wpm.; call sent once.

appropriate pause

Call#1 de Call#2 Call#2 Note: about 12 wpm.

no pause

call#2 de Call#1 QTH etc. wx Sunny etc name [twice] note:20 wpm.
slightly long pause.(5 seconds)

Call#1 de Call#2 RR QTH/NAME RST NAME pse? Note:12 wpm

(no pause)

BK RR es QSK? ? note:20 wpm.

(slightly long pause abt 5 seconds)

? BK

(no pause)

BK R U QSK? ? BK [Call#1]

(Slightly long pause abt 4 seconds)

BK QSK ? BK

BK ARE YOU QSK QSK? BK

(3 second pause)

BK What is QSK ? BK [Call#2]

(no pause)

BK [pause] WOW (misc. info abt rig etc.) [Call#1]

Slightly long pause (5 seconds)

Call#1 de Call#2 RR tks es name ? BK

(no pause)

RR name here is (Name) (Name) (Name) BK [Call#1]

Slightly long pause (5 seconds)

de Call#2 RR nice to meet (etc rig , WX) es What is QSK?

(no pause)

de Call#1 (Long QSK explanation and scolding for not having Q-Sigs on hand, easy reach. Shud know etc....)

(3 sec pause)

BK RR es TKS. Hve old Q-sigs here, is this new? BK

BK (Some Response and 73 followed by IMMEDIATE QRZ ?)

CQ CQ CQ CQ de Call#1

(heard in Background dit dit Call#2)

This is a real QSO. It demonstrates what can

happen if you don't treat the person as if
he/she were in the same room.

You want good technique, treat your contact with courtesy
and respect no less than typical eyeball QSO's.
Don't assume anything and if you have a question -- ask it.

NOTE: I had difficulty writing this, I don't actually believe
call#1 intended to be very rude. Sometimes you have a bad
day. But with practice, this won't show in the contact.

Relax and enjoy.
-Ed L.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 15 Aug 1997 19:08:07 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: adams@chuck.dallas.sgi.com (Chuck Adams)
Cc: qrp-1@Lehigh.EDU
Subject: [24958] Re: 38 Special filter info
Message-ID: <3.0.1.16.19970815190807.2c6fda26@mail-cluster.pcy.mci.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

At 01:16 PM 8/15/97 +0100, Chuck Adams, K5FO wrote:

>Jim,

>

>Wouldn't you think that 12MHz vs 4MHz would account for a lot of
>the difference in Q?

>

Hi Chuck.....well some of the difference is due to the frequency
difference. But what I am finding is a lot of variation within
frequency groups. For instance, the 12.288 MHz crystal that I
used in the Cascade filter has a Q of 86,200. This is a series
mode crystal. A parallel mode at the same frequency only has
a Q of 36,400. Almost 3:1 difference.

A 4.91 MHz series mode that I used in another project has a Q of
73,700, but as I posted, the 4.032 MHz used in the 17S has a

Q of over 230,000. Greater than 3:1 difference.

I suspect the differences must come from the quality and characteristics of the quartz, and the precision used in machining, and maybe due to the orientation of the crystal structure relative to the machining directions. Haven't given the physics of the problem a great deal of thought, but it is evident that all crystals are not made the same, nor have the same electrical characteristics.

Maybe someone on the qrp-l reflector is more knowledgeable than I, and can provide better insight.

Hope you're well, and hope to work you one of these days on 17 meters using the new rig.

72....Jim

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@mci2000.com		__o H.F. bicycle mobile
Fenton, MI		`\<, Mizuho 17/40 SSB
...	..	(*)/(*)
NorCal 38S/30 Log	-	34 States; 40 Countries - Running 3 watts
Most recent -	Iowa	Mauritius

NorCal 38S/17 Log	-	3 States; 2 Countries - Running 2 watts
Most recent -	New Jersey	St. Martin

Date: Fri, 15 Aug 1997 19:31:14 -0400 (EDT)
From: "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
To: Multiple Recipients of List <qrp-l@Lehigh.EDU>
Subject: [24959] VP8CTR on 10.108
Message-ID: <Pine.A41.3.96.970815192911.44768B-1000000@NiagaraNet.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Guys/Gals

I just worked VP8CTR at 2320Z on 10.108.

Can anybody help narrow down the country? He's working fast and furious so I didn't try to slow him down.

I know he's South Atlantic, but other than that those calls are a mystery to me.

Thanx.

Jeff - VA3JFF (Happy with his first South Atlantic QSO wherever it is)

=====
L. JEFFREY HETHERINGTON
Niagara Falls, Ontario, Canada
E-mail: L.Jeffrey.Hetherington@InternetAddress.com

Date: Fri, 15 Aug 1997 20:19:33 -0400 (EDT)
From: JFKluender@aol.com
To: qrp-1@Lehigh.EDU
Subject: [24960] Re: Antenna troubleshooting help needed
Message-ID: <970815201918_-1538019523@emout03.mail.aol.com>

Fellow QRP'ers,

I want to thank all of the people on this list who sent me numerous suggestions regarding my tuning problems with my 80M horizontal loop. By the way, I actually intend to use it on the harmonics - most often 20 M, on which simulations say it should have a decent lobe into Europe (NE) when fed in the SW corner, as I am doing.

At least 75% of you suspected the 2x4 wood being used as dielectric. And I tend to agree with your suspicions. As an electrical engineer, you think I'd think of these things but sometimes I am a bit short on headspace. My specialty is semiconductor device engineering (for IC's for disk drives), not RF antenna design.

So I think the first thing to try (after making DARN sure I'm using the tuner correctly) is to modify my feed to be all 450 ladder line from the feedpoint to the tuner. And play with the length of feed, of course.

Thanks again for the help. I really appreciate being able to ask questions like this and not get blasted for being "ignorant". I get enough of that in life in general. :)

When I have any antenna updates, this list will be the first to know. It may be a few weeks, as my wife has been asking me to fix the dishwasher for some time now. If only I knew anything about dishwashers...

73,
Joel NF9K

Date: Fri, 15 Aug 1997 20:20:19 -0400
From: Craig LaBarge <LaBarge_C@compuserve.com>
To: QRP-L Mailing List <qrp-l@Lehigh.EDU>
Subject: [24961] Re: K5F0/7
Message-ID: <199708152020_MC2-1D48-9AED@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Conway Yee wrote:

>In a QST about 4 years ago, I believe, ARRL had a one-two page
>article recommending a 4 pin MOLEX as a low power connector for
>12V devices. I haven't seen the 1997 handbook.

The original article was in the August 1993 of QST, pp 50-51. The article specifies the 2-pin Molex model 1545 connector (or the Radio Shack #274-222), as someone previously stated.

Many ARES/RACES organizations have adopted this standard to allow for greater interoperability during emergencies. I use them on all of my 12 volt equipment, gel cells, battery chargers, etc. Makes =

life very simple!

73, Craig WB3GCK

Date: Fri, 15 Aug 97 21:39:33 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-l@Lehigh.EDU
Subject: [24962] connectors and such
Message-ID: <199708160139.VAA49320@nss2.CC.Lehigh.EDU>

Folks,

Yes, it is nice to have standard connectors, but sometimes it is hard to completely put the whole station on one standard. I think Paul Harden had the best solution for getting your station ready for field operations, no matter what connectors you use.

Theorem:

Set up your station on your front lawn the night before,
and if it all works, it will probably work in the field.

Close enough Paul? ... Worked for me last Field Day.

Corollary (Murphy related):

Always bring a spare set of cables (RF jumpers and DC).
(A spare dipole would not hurt either).

72 and see you at the BUBBA!

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)

Date: Fri, 15 Aug 1997 22:42:12 -0400 (EDT)
From: JFKluender@aol.com
To: qrp-1@Lehigh.EDU, norbergg@vtc.com
Subject: [24963] Update: The Loop Lives!!!
Message-ID: <970815224209_-1202689938@emout10.mail.aol.com>

Fellow QRP'ers,

Bill K5BDZ gets the grand prize for figuring out what I was doing wrong. It turns out that I was NOT shorting the tuner from "wire" to "balanced line" on the back of my tuner, as I was supposed to when using balanced line. When I tried that, my 80 M loop came alive! I tuned it up on 10.119 Mhz and within three minutes had begun a 20 minute or so QSO with a AA3 station in DC who gave me a solid 589!

Boy, am I energized. I must resist the temptation to forget about what many of you pointed out - that my 2x4 mast is a lousy dielectric and that I should replace it with ladder line spaced away from the mast. I WILL do that - just as soon as I make a few more QSO's :)

By the way, this was my first HF contact since I got done with college, got a job and bought a house. I had been inactive for nearly 7 years due to dorm & apartment life. Now if I could only find the time to improve my feed line, build my new 38S, build my OHR400, clean up the shack, etc.,etc., etc.. Oh, and somewhere in there I still have to fix our dishwasher :)

I love this hobby... Thanks all, again!

Joel NF9K

Date: Fri, 15 Aug 97 21:06:38 MDT
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [24964] [v31xe@dzdn.com: vp8]
Message-ID: <9708160306.AA26180@rgfn.epcc.Edu>

===== Begin forwarded message =====

From: v31xe@dzdn.com ("William R. Colbert")
To: jhetheri@freenet.npiec.on.ca
Subject: vp8
Date: Fri, 15 Aug

Believe that should be Falklands, S. Shetlands, or S. Georgia, in that area - nice catch.

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

Ray Colbert, W5XE,
00TC 3618, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzdn.com)

Date: Fri, 15 Aug 97 21:07:13 MDT
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [24965] [v31xe@dzdn.com: [Fwd: [n4so@juno.com: Re: longwave info]]]
Message-ID: <9708160307.AA26724@rgfn.epcc.Edu>

===== Begin forwarded message =====

From: v31xe@dzdn.com ("William R. Colbert")
To: af852@rgfn.epcc.Edu

Subject: [Fwd: [n4so@juno.com: Re: longwave info]]
Date: Fri, 15 Aug

This is a multi-part message in MIME format.

-----44F12C037D1D
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ken graciously sent me this info in response to my posting and I did not see it appear on the list, so I am forwarding to qrp-l for the info of all that may be interested. Thanks Ken.

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

Ray Colbert, W5XE,
00TC 3618, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

-----44F12C037D1D
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

To: V31xe
From: af852@rgfn.epcc.Edu
Date: 15 Aug 97 20:42:14 -0600
Subject: [n4so@juno.com: Re: longwave info]
Message-ID: <tcppop3.779675@wg.dzn.com>

===== Begin forwarded message =====

From: n4so@juno.com (charles k brown)
To: af852@rgfn.epcc.Edu
Subject: Re: longwave info
Date: Thu, 14 Aug

QST of April 1994 has the transceiver article on the Lowfer.
From: <info-serv@arrl.org> (HQ Automated INFO Server)
Subject: INFO response: VLF.TXT

QST ARTICLE BIBLIOGRAPHY - Very Low Frequency (VLF)

Thank you for requesting the following information from the ARRL Technical Information Service (TIS) or the ARRL Automated Information Server. ARRL Headquarters is glad to provide this information to those who have an interest in Amateur Radio.

For your convenience, you may reproduce this bibliography, electronically or on paper, and distribute it to anyone who needs it, provided that you reproduce it in its entirety and do so free of charge. Paper copies of these bibliographies are available from the ARRL Technical Department Secretary. Send a separate SASE for each bibliography desired to:

ARRL Administrative Headquarters
Technical Department Secretary
225 Main St.
Newington, CT 06111

Electronic copies are also available from the following:

Telephone bulletin board:

ARRL - (860) 594-0306

Internet sites:

World Wide Web:

<ftp://oak.oakland.edu/pub/hamradio/arrl/infoserv/bibliog/>

FTP: [oak.oakland.edu \(FTP - /pub/hamradio/arrl/infoserv/bibliog/\)](ftp://oak.oakland.edu/pub/hamradio/arrl/infoserv/bibliog/)

Email: Send a message to info@arrl.org with HELP in the message text for
a set of instructions

ARTICLE REPRINT INFORMATION

Article reprints can be obtained from the Technical Department Secretary at the address or phone number below. The nominal fee for article reprints is \$3 per article for ARRL Members, for which you will be billed. For non-members, the fee is \$5 and prepayment is required.

ARRL Administrative Headquarters
225 Main St.
Newington, CT 06111
Telephone: (860) 594-0200

QST Back issues can be obtained from the Circulation Department at the address or phone number above. Back issues are \$5, and quantities are limited.

1960 March	QST Amateur VLF Observation--How to Listen for Whistlers	p. 50-54
1962 October	QST An NAA Receiver	p. 36-37
1963 March	QST Still Another NAA Receiver	p. 53
1964 April	QST A Simple Low-Frequency Converter	p. 17-19
1965 February	QST A VLF Converter with Untuned Input	p. 27
1966 October	QST A VLF Receiver without Tuning Capacitors or Coils	p. 23-25
1968 September	QST 600 to 20,000 Meters	p. 18-22
1971 November	QST A WWVL Receiver	p. 34-37
December	QST A WWVL Receiver (feedback)	p. 47
1974 January	QST A Crystal-Controlled Converter and Simple Transmitter for 1750-meter Operation	p. 19-21
1977 June	QST A High-Performance Low-Frequency Converter	p. 23-27
1978 August	QST	p. 32

A Longwave Converter

1987 September	QST	p. 42
	VLF and the Ham (Tech. Corres.)	2 pages
1994 June	QST	p. 78
	VLF Listening Can Be Rewarding	
*****April	QST	
	Build Your Own Lowfer Transceiver by Curry	p. 26
	With a picture of the completed unit on the cover	

For further information contact:

The Longwave Club of America
45 Wildflower Rd.
Levittown, PA 19057
Phone: 215-945-0543
Email: naswa1@aol.com

Periodical: The Lowdown

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzdn.com)

-----44F12C037D1D--

--

Ray Colbert, W5XE

00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzdn.com)

Date: Fri, 15 Aug 1997 23:06:19 -0600 (CST)
From: "Earl W. Murphy" <aa385@gpfn.sk.ca>
To: qrp-l@Lehigh.EDU
Subject: [24966] Heath Kit DX40 RESPONSES
Message-ID: <Pine.SOL.3.91.970815225351.9825C-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Those who responded....Thank you very kindly, you were all most generous in providing the info that I was seeking....I was quite amused with some of the sentiment some have for the rig...for many this was their first radio, back when they were novices. I can appreciate that, since I still hold dearly to my first rig (FTDX 100).

Thanks again for the time you took to respond, that's what makes this group such a pleasure to visit...73/72...Earl (VE5WF) QRP-L 1076

Date: Sat, 16 Aug 1997 01:15:35 -0400
From: Russ Garner <71544.1645@CompuServe.COM>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [24967] VP8--More Than You Really Wanted to Know
Message-ID: <199708160115_MC2-1D47-E5D6@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Gentle Listers and other Folks--
Here's an extract from a file provided by
Ron McConnell, W2IOL. I have redacted the
data to show only lat/long, grid square, =

and whether or not it's DXCC.

Cheers, Russ WA0UIG #734 Marion, IA EN42fa

VP8 Falkland (Malvinas) Is., Stanley 51 42 S 57 51 W GD18 DX
VP8,LU South Georgia Is., Grytviken 54 16 S 36 31 W HD15 DX
VP8,LU So.Orkney Is,Laurie, Scotia Bay 60 46 S 44 41 W GC79 DX

(VP8AEV B.A.T.)	Signy	60 43 S	45 36 W	GC79	=
VP8,LU	South Sandwich Is., So. Thule	59 27 S	27 18 W	HD60	DX
VP8,CE9,LU,HF0,R1,4K	South Shetland Is.	62 0 S	58 15 W	GC08	DX
(VP8AEO B.A.T.)	King George	62 5 S	58 5 W	GC07	=
VP8ADE	Adelaide Island (B.A.T.)	67 46 S	68 55 W	FC52	=
VP8AA0	Faraday, Galindez Island(B.A.T.)	65 15 S	64 16 W	FC74	=
VP8AED	Rothera, Adelaide Is. (B.A.T.)	67 34 S	68 8 W	FC52	=
VP8	Argentine Is. (B.A.T.)	65 15 S	64 15 W	FC74	=
VP8	British Antarctic Terr. (B.A.T.)				=
VP8	Fossil Bluff, Alexander Is (BAT)	71 20 S	68 17 W	FB58	=
VP8AEF	Halley, Coates Island (B.A.T.)	75 35 S	26 19 W	HB64	=

----- end of extract -----

=2E.. Remember: "life is just one big special effect"

- 30 -

Date: Fri, 15 Aug 1997 23:05:35 -0700
 From: gsurrency@juno.com (Gary L L Surrency)
 To: qrp-l@Lehigh.EDU
 Subject: [24968] 38S - Soon to be a 17S
 Message-ID: <19970815.230940.8942.0.gsurrency@juno.com>

Hi gang!

Just finished the second 38S here. This one is destined to be on 17m, like Jin Kortge has done. Gotta order the crystals yet, but wanted to make sure the second rig was operational on 30m before hacking it.

This one has about 5-6 watts out at 13.8 volts supply, without tweaking it very much. Same component values as the first one that will do about 7-8 watts output. So the two rigs are proof of close repeatability. I have a second IRF510 to try, so I'll see if the power gain is better on that one. I have yet to do Mike Gipe's PIN diode improvement, and that seemed to increase the output slightly, believe it or not, on the first 38S I built! If you watch the output while turning the RF gain from minimum to maximum, you can detect a loss of output power on the rig without the PIN diode mod. Not true of the rig that has the PIN diode

mod.

Better T/R isolation to be sure!

This mod should be done by all 38S users, since it obviously does more than protect the input of the first mixer from overloading and improves the QSK. Thank you Mike for sharp thinking on this mod! :-)

Now that have two 38S's to play with, it is neat to observe them for any small differences or similarities. Yes, the infamous "thump" is present on the second one I just completed, as I have not yet performed the FET mute mod. :-)

I did notice this kit was provided with a Thompson L78M08 8 volt regulator where the first one has a MC7808CT part by Motorola. The L78M08 regulator is a 500ma unit, where the MC7808CT is a 1.0 amp unit. It doesn't really matter, since the total 8 volt current draw is well below 500ma. And both rigs "thumped" about the same.

The newest one just built has a clear glass 1N4004 diode for the tuning, and exhibits a sensitivity to light and will change frequency if the diode is covered or illuminated. I'll probably change it out with some of the ones I have for the diode that has the best (widest) tuning range. But it is an interesting side note.

I have yet to modify the original 38S for the 2 xtal IF filter, so that should be an interesting and useful project for some future date.

Oh, yeah. The only mistake I had was I had picked up a 27K resistor for R20 instead of a 270K resistor. The result of that boo-boo was a marked decrease in receiver sensitivity, but it was easy to find. Must be working too late to notice the color code differences. ;-)

Now if I can get my XYL to upgrade her license, we could use these two rigs for some real fun! But this second one is still sitting on metal standoffs on the bench, so the cabinet and finishing touches will come later. I'm real anxious to get the rest of the parts to put it on 17m, and hope others will follow suit. The sunspots are looking a little better, so the higher bands will become more attractive fairly soon. I'll post what I find out during the conversion from 30m to 17m, and hope the rest of you who try this will do likewise. Thanks to all that have begun the band conversion so far, and perhaps more of you will join us on 17m. This rig is so simple and inexpensive it would be a shame not to expand its capabilities.

This is starting to be even more fun than building the first one! Heck, most all of the problems are worked out for us now, so it goes a lot faster from here! :-) If you haven't built one of these kits yet, you don't know what you're missing!

72, and keep those soldering irons burning!

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Sat, 16 Aug 1997 01:20:14 -0700
From: Bill Todd <bill@techline.com>
To: nwq-l@scn.org
Cc: qrp-l@Lehigh.EDU
Subject: [24969] Improvements to "NWQ" es Web Page
Message-ID: <1.5.4.32.19970816082014.006e2a58@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Group(s) -

I have finally corrected Dans' "Building Basics" technical article that you'll find on the "NWQ" Web Page. Due to some mistakes on the text conversion, I wasn't quite sure how to put together the information correctly the first time*.

So, if you take a look at his article beginning on page 3 of the Web Page, it should make a lot more sense to the readers. Sorry about the goof Dan.

Thanks for the many comments and suggestions from the readers who have dropped me a note. Especially helpful was Bill (Kanga) Kelsey's suggestion re putting a "next page" hyperlink at the bottom of each page. This addition makes it much easier to move from page to page.

CUL, and have fun!

Bill-N7MFB

NW QRP CLub "NWQ" Editor

*(an Editor's confession meaning that the info was a tad over my head {hi}).

Date: Sat, 16 Aug 1997 01:25:37 -0700
From: Bill Todd <bill@techline.com>
To: JFKluender@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [24970] Re: Update: The Loop Lives!!!
Message-ID: <1.5.4.32.19970816082537.006e3fa8@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Now if I could only find the time to improve my feed
>line, build my new 38S, build my OHR400, clean up the shack, etc.,etc., etc..
>Oh, and somewhere in there I still have to fix our dishwasher :)
> I love this hobby... Thanks all, again!
>
>Joel NF9K

Hi Joel - Once you finish with that dishwasher, I have a 1985 Buick that
needs some attention. When can I expect you? hi

CUL, Bill-N7MFB

Date: Sat, 16 Aug 1997 04:12:52 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-1@Lehigh.EDU
Subject: [24971] On the raod again (sorta)
Message-ID: <33F57D23.6F2@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's that time again.

The camper is packed and the kids are scrubbed and ready. I will be
operating portable/ mobile from points west in Colorado for the next
week. Listen for me on the usual QRP frequencies. I will be taking the
OHR 400 and the Emtech NW40, so 20, 30, 40, and 80 meters are possible.

I have been hanging out on 30 meters as of late and that is where I will probably spend most of my time. The only antenna that I will be taking this time is the MMA SLV and the TFI SLV. Don't really have a preference as to which one I will set up as field tests have shown that they both perform about the same. The 100 foot stereo wire zepp that has served me so well on all of the other camping trips finally got eaten by a wire eating pine on the last trip and I don't have time to build another before we leave. No set operating schedule, so catch me if you can! Will be in southwest Colorado to start with and then points north and west from there. Might even operate from a campground near Mesa Verde, will again just have to see. If the bands are not cooperating, guess I will just have to lick my wounds while I fish and watch some TV on the sat dish....;-)
Should be on the air most any nite starting 8/16 and back on or before 8/21.

Best to all
Jess NOTFI
<http://www.concentric.net/~jessqrp>

Date: Sat, 16 Aug 1997 09:13:39 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24972] QRP LIGHT
Message-ID: <970816091338_-1739443925@emout03.mail.aol.com>

For a light to use when backpacking try using those "chemical" lights. The best ones are those designed for life jackets. Although new ones cost about \$5 you can usually get the ones with expired dates from local mariners or marine supply store. They put out a fairly gud green glow; more than enuf for your backpack type operations. The light is gud for 24-36 hours at a gud level and easy on the eyes.

Alan KB7MBI

Date: Sat, 16 Aug 1997 09:20:46 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24973] COAX QUESTION
Message-ID: <970816092045_-1471500243@emout03.mail.aol.com>

Could someone please tell me how to figure out what is "good quality" COAX

and what types to stay away from? Is there something published on this? I have used primarily ladder line to date. Is MINI 8/U Type 3060 OK to use? Thanks.....ALAN KB7MBI

Date: Sat, 16 Aug 1997 10:21:50 -0400
From: wb8ygg@juno.com (Bradley S. Mitchell)
To: qrp-l@Lehigh.EDU
Subject: [24974] Ten Tec Scout for sale
Message-ID: <19970816.102151.12254.0.WB8YGG@juno.com>

Scout with following accessories:

Noise Blanker
4 modules.

80,40,30 &20

Hand Microphone (not a ten tec, but works great)

Plus mobile mount, if I can find it!

\$400.00
Shipped continental U.S.

73 Brad WB8YGG
(716) 637-6872

Date: Sat, 16 Aug 1997 10:44:07 EDT
From: Conway Yee <cyee@bidmc.harvard.edu>
To: <ARDUJENSKI@aol.com>, <qrp-l@Lehigh.EDU>
Subject: [24975] Re: COAX QUESTION
Message-ID: <08161997104407.241N13T@email.bidmc.harvard.edu>

No matter what the answers are, be aware that situations vary. While RG-58 may be fairly lossy and be a "lousy" cable and Belden 9913 may be very non-lossy and be a "good" cable, situations vary. Belden 9913 is a bit bulky and stiff whereas RG58 is very useful in portable stations especially when the runs are short. In other words, the situation where the line is used is a very important design issue when determining what is a "good" cable.

Conway Yee, N2JWQ

Date: Sat, 16 Aug 1997 10:59:57 -0400
From: Ken Newman <n2cq@comten.com>
To: QRP-L@Lehigh.EDU
Cc: JLarsen@alascom.att.com
Subject: [24976] SST: User Input!!!
Message-ID: <1.5.4.16.19970816145523.25774ba0@mail.comten.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks for the super response from an earlier request on SST use. As usual, we get great results just for the asking on QRP-L. I have to especially thank Jim Larsen, AL7FS for his super input. (Sorry Jim, I have to let the Multitudes about what you did!). If the group hasn't seen Jim's Digest on the SST, that were interested in the SST happenings as I was, would want to ring his bell for it. JLarsen@alascom.att.com . Every thing you wanted to know on the SST would be there, bumps and warts included.
Thanks again, Jim.... You may have more mail requests about it if you didn't before!

72/73,
Ken Newman, N2CQ
Woodbury, NJ
N2CQ@Comten.com

Date: Sat, 16 Aug 1997 11:44:06 -0400
From: Ken Newman <n2cq@comten.com>
To: QRP-L@Lehigh.EDU
Subject: [24977] Embeded Research: WRU?
Message-ID: <1.5.4.16.19970816153931.265fcd8a@mail.comten.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I tried to contact Embeded Reaserch's Webpage to order one of the Tick-2's that was on Bill's TiCK-Talk article in QRPP. I used the one in the article first [<http://www.vivanet.com/~gmdsr/>] and that must have changed to this [<http://www.frontiernet.net/~embres>] that was on John, K3WWP Links, but that gave me an error too.

Anyone know where Embeded is?

72/73,
Ken Newman, N2CQ
Woodbury, NJ
N2CQ@Comten.com

Date: Sat, 16 Aug 1997 11:26:29
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [24978] Clean Key
Message-ID: <3.0.1.16.19970816112629.12ef4294@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

With no one offering to sell thier Kent straight key (figured as much)
decided it was time to give the J38 a bath.

Not having any good cleaning solutions handy, I used some toothpaste and a
toothbrush. Worked FB. Took all the surface grim off and polished it up
pretty good. I happened to have the bakingsoda kind.

Now my key has a nice smile and a minty fresh smell.

BTW, My key is mounted on an olive green plate marked "J48A" I take it this
is some kind of plate used to bolt the key to a desk or something? maybe in
an aircraft? It also has two 90 degree tabs pressed out in line with the
key pivets. Is this so it could be hung from the bottom of something? Oh,
and my key does not have the shorting switch for tuning.

73

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 16 Aug 1997 10:25:08
From: Dan Hogan <dhhogan@lightside.com>
To: n2cq@comten.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [24979] Re: Embeded Research: WRU?
Message-ID: <3.0.1.16.19970816102508.198f6800@mail.lightside.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ken:

Try: <http://www.frontiernet.net/~embres>

I just went there and it worked.

At 11:44 8/16/97 -0400, Ken Newman wrote:
[Snip]
>Anyone know where Embeded is?

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949
ARS #282, Grid: DM84wc

Date: Sat, 16 Aug 1997 14:34:22 -0400 (EDT)
From: N3BJ@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24980] FS: MXM 40M xcvr
Message-ID: <970816143420_1646383071@emout11.mail.aol.com>

Above in good shape, in aluminum cabinet, works OK, needs alignment.

New cost \$120+

\$75 shipped

Alan, N3BJ

Date: Sat, 16 Aug 1997 12:46:47 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [24981] BUBBA Sprint Prize List!
Message-ID: <199708161946.MAA21210@usr09.primenet.com>

----- BUBBA Prize Announcement -----

Howdy Folks,

So you're sitting back, contemplating deep issues in your life.

"Is my career going where I wanted it to?"

"How will I pay for my retirement?"

"Do I want to be a BUBBA?"

Good news! The AZ ScQRPions can help you on that last one!

As if life (and the Aug. 31st BUBBA Summer QRP Sprint) weren't rewarding enough in and of themselves, being a BUBBA comes with many benefits. To wit, the BUBBA Prize-O-Rama(tm)! Yes, for merely operating in the BUBBA Sprint and sending in a log, you can win valuable prizes unique to these United States. You don't need the highest score to be a winner, thanks to patented AZ ScQRPion Hat-O-Matic Random Selection Technology(tm).

So take a deep breath, lighten that load, and feast your eyes on this:

PRIZE CATEGORIES

- Outdoor BUBBA with the highest Heat Index rating will win a battery-powered personal fan ("As seen on TV!") and a bag of BBQ-flavor Corn Nuts.
- Indoor BUBBA with the highest operating temp will win a new backissue of TV Guide and a bag of BBQ pork rinds. We may also include a package of Sea Monkeys ("As seen in 'Archie' comics!").
- Highest score in each category will get to claim the title of "Grand Poohbah BUBBA" for one year (won't your spouse be proud!), and will also win a free Super Size Meal (\$5 McD's gift certificate).

RANDOM DRAWINGS (from logs received)

- 5 Lucky BUBBAs will win a free Big Mac. (\$1 McD's gift certificate)
- 1 Lucky BUBBA will win a Super Size Meal. (\$5 McD's gift certificate)

("This offer not available in stores!")

A little piece of Americana in every prize! What more could a person want in life? So cancel that trip, back out of that wedding, do whatever it takes... to be a BUBBA.

The BUBBA Summer QRP Sprint, August 31st, 1900-2300Z. Be there,
or be somewhere else!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It happens sometimes. People just explode. Natural causes." -Repo Man

Date: Sat, 16 Aug 1997 11:47:54 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: QRP-1 <QRP-1@Lehigh.EDU>
Subject: [24982] FS:Bugs;QRP++
Message-ID: <33F610B6.4C76@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FOR SALE:

Bugs: Vibroplex Lightning Bug; Vibroplex Blue Racer; Les Logan Speedex
early 501 T bar; Logan Speedex 515; Logan Speedex 501 Chrome (poor
condx); Johnson Speedex 501 Chrome; Hi Mound Swallow; Lionel J36.

Best Offer for the Group of Bugs...

Index Labs QRP++ with mic, box, manual, excellent: \$495.00

JPS NIR 12 DSP Unit box, manual, \$215.00

Standard C188 A 2M Handi W/SpkMic,Hot Rod Ant Manual \$170.00

Standard C288 A 220MHZ Handi W/SpkMic,Hot Rod Ant Manual \$170.00

Standard C528 A 2M/220MHZ Handi W/SpkMic,1000Mil Bat Manual \$350.00

Standard CSA 181 Desk Charger \$60.00

All items are in like new condition.

Will take offers on packages. Let's make a deal!

Ken, N6TZV
Ph 818-541-0712

Date: Sat, 16 Aug 1997 13:50:00 -0500
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: qrp-1@Lehigh.EDU
Subject: [24983] K5FO visit and Pizza feed
Message-ID: <M2017811.005.0yy04.1.970816211313Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Chuck, K5FO, will be in the San Francisco Bay area this coming week. We will meet for pizza at the usual place in Mountain View. Unfortunately, I've forgotten the name, although I know where it is.

Chuck offered the choice of Tuesday or Wed evening. Due to the short time frame, I've made an executive decision and will say Wednesday evening. This will allow us digesters time to get the word.

If you are interested in attempting to grab your fair share of a pizza with the rest of this mob, please RSVP.

In the meantime, can anyone tell me the name of the joint?

73, Bob N6WG

Date: Sat, 16 Aug 1997 17:09:23 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-1@Lehigh.EDU
Subject: [24984] Atlas 210X for trade
Message-ID: <Pine.GS0.3.96.970816165206.2940B-100000@callisto.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello,
I have a fixer-upper for trade.
The atlas 210X ssb/cw transceiver works on 80-40-20-15-10meters.
It is a small rig 3.5inches high and 9.5inches wide.

It could make a nice qrp rig. The receive section works fine.
the dial cord needs to be replaced...easy job.It slips and looks like
there is a worn section.The dial is an analog type.

I don't think there is any output.
A matched set of finals would cost \$46 from RF Parts in California if that
is the problem. I haven't done any testing on it to see where the problem

is along the transmit chain.

It could be a cheap way to get on the air. I am sure there are some in use on qrp.

I am looking for a scope or would consider something else.(no MFJ or ten tec or radio kit stuff....not that there is anything wrong with that stuff :-))

As the radio is ...it is probably worth 95 - \$100 ; so don't offer anything too nice in trade. I am also looking for a MIG welder. My son needs to do some body work on his van.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Sat, 16 Aug 1997 14:41:33 -0700 (PDT)
From: Bill Urie <burie@linknet.kitsap.lib.wa.us>
To: qrp-l@Lehigh.EDU
Subject: [24985] TT Century 22
Message-ID: <Pine.GS0.3.96.970816143846.99A-1000000@linknet.kitsap.lib.wa.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Want to buy a Ten Tec Century 22
in good condition. Bill W7XV

Date: Sat, 16 Aug 1997 15:00:52 -0700
From: Jim Lowman <jmLowman@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [24986] Extra at last!
Message-ID: <3.0.32.19970816150041.006acacc@popd.netcruiser>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I don't ususally like to toot my own horn, but since a few of you on the list know me, thought I'd mention that I passed the 20-wpm code test this morning. Talk about close shaves...my CSCE for the Extra written was to have expired on September 21st.

It took one failure, my first ever on an amateur element, to get there. On the advice of the liaison, who is a friend, I decided to retest. First try, 50%; second try, 90%.

Against my better judgment, I decided to go for a new callsign. Since there are a few good "6" 1x2s left, I will probably request a vanity callsign if I don't like the new one.

Just to pass along a tip to those who are contemplating this code test: the second time around, I just copied the QSO in my head, much as we do on the air, and forgot about the solid copy. I got behind the first time, and never recovered. Jot down key items, like callsigns, QTH, weather, rig, antenna (with height and support structure), accomplishments (37 countries in two months as a ham) and the like. It made a world of difference!

72 de Jim - KF6CR (soon to be AD6??)

73 de Jim - KF6CR
San Bernardino, CA DM14JC

End of QRP-L Digest 820

